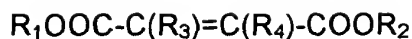


WHAT IS CLAIMED IS:

1. A process for the preparation of a polyaspartate comprising:
  - 5 A) transesterifying i) an  $\alpha,\beta$ -unsaturated ester of the formula:
$$R_1OOC-C(R_3)=C(R_4)-COOR_2$$
where  $R_1$  and  $R_2$  may be identical or different and represent  
10 organic groups which are inert towards isocyanate groups at  $100^\circ\text{C}$  or less, and  $R_3$  and  $R_4$  may be identical or different and represent hydrogen or organic groups which are inert towards isocyanate groups at  $100^\circ\text{C}$  or less,  
15 with ii) an hydroxyl functional material containing  $n$  hydroxyl groups per molecule and having a number average molecular weight of from about 62 to about 3000,  
20 at a molar ratio of from  $n$  moles of ester per mole of  $n$ -hydroxy functional material to  $n+8$  moles of ester per mole of  $n$ -hydroxy functional material where  $n$  represents number of hydroxy groups in said hydroxy functional material and is a number of from 2 to 8,
  - 25 B) reacting the resultant product with a compound containing one or more primary amine groups in an amount of at least one mole of amine compound per  $\alpha,\beta$ -unsaturated ester group, and
  - 30 C) reacting any remaining primary amine groups with an unsaturated ester of the formula:



where  $R_1$ ,  $R_2$ ,  $R_3$  and  $R_4$  are as defined above.

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2. The process of Claim 1, wherein  $R_1$  and  $R_2$  represent alkyl groups containing 1 to 9 carbon atoms.

3. The process of Claim 1, wherein  $R_3$  and  $R_4$  represent  
10 hydrogen.

4. The process of Claim 1, wherein said molar ratio is from  $n$  moles of ester per mole of  $n$ -hydroxy functional material to  $n+4$  moles of ester per mole of  $n$ -hydroxy functional material.

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5. The process of Claim 4, wherein said molar ratio is from  $n$  moles of ester per mole of  $n$ -hydroxy functional material.

6. The process of Claim 1, wherein the transesterification is  
20 conducted at a temperature of from about 50 to about 300°C.

7. The process of Claim 1, wherein said compound containing primary amine groups is selected from the group consisting of 1-amino-3-aminomethyl-3,5,5-trimethyl-cyclohexane, bis-(4-aminocyclo-hexyl)-  
25 methane, bis-(4-amino-3-methylcyclohexyl)-methane, 1,6-diamino-hexane, 2-methyl pentamethylene diamine and ethylene diamine.

8. The process of Claim 1, wherein said amount in step B) is from at least one mole of amine compound per  $\alpha,\beta$ -unsaturated ester  
30 group up to 5 moles of amine compound per  $\alpha,\beta$ -unsaturated ester group.

9. The product of the process of Claim 1.
10. A coating composition comprising:
  - a) a polyisocyanate component and
  - b) an isocyanate-reactive component containing
    - b1) the aspartate of Claim 1 and
    - b2) optionally other isocyanate-reactive components.